

Remarks/Arguments begin on page 4 of this paper.

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

WHAT IS CLAIMED IS:

Claim 1. (currently amended) A process for high throughput screening of binding of ligands to macromolecules using high resolution powder diffraction data comprising:

producing a first sample slurry of a selected polycrystalline macromolecule material and a solvent;

producing a second sample slurry of a said selected polycrystalline macromolecule material, one or more ligands and said solvent;

obtaining a high resolution powder diffraction pattern on each of said first sample slurry and said second sample slurry; and,

comparing the high resolution powder diffraction pattern of said first sample slurry and the high resolution powder diffraction pattern of said second sample slurry whereby a ~~difference in~~ change between the high resolution powder diffraction patterns of said first sample slurry and said second sample slurry ~~provides a positive indication for the~~ indicates formation of a complex between said selected polycrystalline macromolecule material and at least one of said one or more ligands.

Claim 2. The process of claim 1 wherein said macromolecule is a protein.

Claims 3-5. (withdrawn)